



## 1 Pre Installation


Thank you for selecting the Maxtor Ultra ATA/133 PCI Adapter Card. Please follow these installation instructions to reap the full benefits of your purchase.

### Handling Precautions

If these handling precautions are not followed, damage to the adapter card may result and your warranty may become void. Please see the Warranty section for additional information.

 Adapter cards are sensitive to electrostatic discharge (ESD) damage. Handle the adapter card by its sides. DO NOT touch the printed circuit board assembly.

 DON'T connect/disconnect any cables when the system power is on.

 DON'T force or rock the adapter card connectors into or out of their connection sockets.

### System Requirements

- Pentium-class or higher with available PCI bus-mastering expansion slot (typically the first 3 PCI slots nearest to the processor). Refer to system or motherboard guide for additional information.

### Operating System Requirements

- Windows NT 4.x (SP4) or higher, or Windows 98/Millennium, Windows 2000 or Windows XP

### Tools Required for Installation

- A small (#2) Phillips screw driver
- Your computer user's manual
- Operating system software

### Order of Installation

The Maxtor Ultra ATA/133 PCI Adapter Card must be installed *before* the hard drive is installed.

### Important – Please Read

- Make a backup copy of the files on any existing hard drive(s) prior to installing the new adapter card. Refer to your computer user's manual for detailed data backup instructions.
- For your records, write down your system's current BIOS (system setup) settings before installing the adapter card. Some system's BIOS may need to be set for "add-on IDE adapter" or "SCSI add-on card."
- Uninstall any hard drive installation software (MaxBlast™, EZ-Drive or Ontrack) that may be on existing hard drives. Failure to do so may result in loss of data. This may be done *after* you've installed the adapter card and hard drive. Refer to the following URL if the existing hard drive is from Maxtor or Quantum: <http://www.maxtor.com>. Click on the Product Support/Knowledge Base link for additional information.

**Warning:** Removing the installation software of hard drives other than Maxtor will result in data loss. Please contact other hard drive manufacturers for their specific third party software removal procedures.

Fujitsu <http://www.fujitsu.com>  
Seagate <http://www.seagate.com>  
Western Digital <http://www.wdc.com>

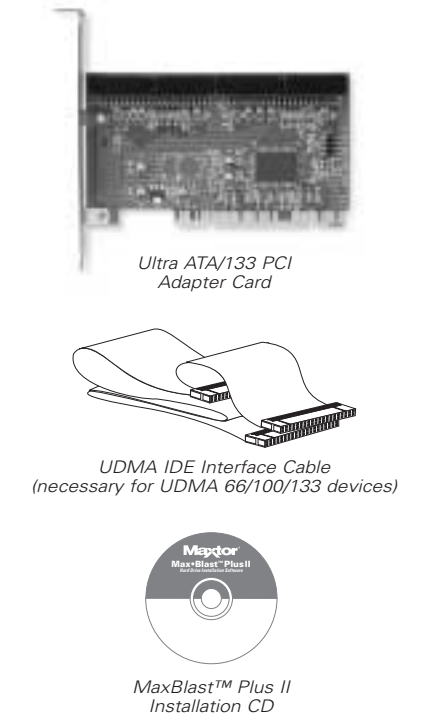
**ATAPI Devices (DVD ROM, Tape Backup)**  
If your ATAPI device is not UDMA 66, 100 or 133 compliant, and is currently functioning, please leave it on that channel. If your ATAPI device is not seen by its installation software when it is attached, please call that device manufacturer for new software.

**Note:** If you're installing this adapter card along with a Maxtor hard drive, please physically install both devices before using MaxBlast Plus II software.

Refer to the Maxtor ATA Hard Drive Installation Guide for specific instructions and drive jumper options.

## 2 Kit Components

The Maxtor Ultra ATA/133 PCI Adapter Card comes complete with the components shown here. Please familiarize yourself with each of these items.



## 3 Hardware Installation

### Adapter Card Installation

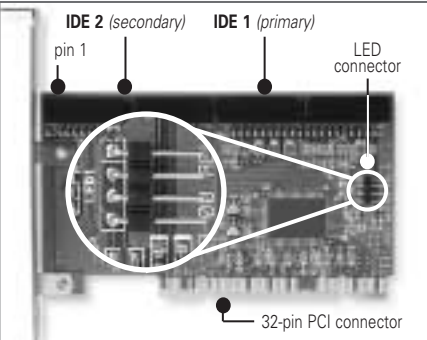
Installing the Ultra ATA/133 PCI Adapter Card in a system is a simple process. The card fits into any available 32-bit PCI 2.1-compliant expansion slot on the system's motherboard.

1. Turn off the power to your system and remove the system cover.
2. Remove the inside slot cover of an available 32-bit PCI slot on the motherboard.
3. Handle the Ultra ATA/133 PCI Adapter Card by its sides and install it into the open slot (Figure 1).



**Figure 1**  
Installing the Adapter Card into a PCI Slot

4. If applicable, attach the LED cable connector on your system case to the LED connector on the Adapter Card (Figure 2). If your system LED connector does not light up, try re-connecting in the opposite direction.



**Figure 2**  
Adapter Card Connections

5. Fasten the adapter card bracket to the system case.

## 3 (continued)

### Windows NT 4.x/2000/XP User Note

Drives attached to the Ultra ATA/133 PCI Adapter Card cannot boot the Windows NT operating system (OS) without proper driver support.

If you're installing this adapter card into a system with an existing Windows NT OS, do not connect any hard drives to the card before installing the driver software. Some systems may also require a BIOS change to "SCSI add-on card."

### Hard Drive Installation

1. Configure the jumpers of the hard drive(s) you're preparing to install with the Ultra ATA/133 PCI Adapter Card with the appropriate master/slave settings.

You may need to refer to your hard drive's manual for more information.

**Note:** Do not apply any jumper that is meant to reduce the capacity of the hard drive.

2. Install the hard drive(s) in the proper device bay of your system.
3. Attach the UDMA IDE cable (included in package) to the hard drive(s) and to the IDE 1 connector on the Ultra ATA/133 PCI Adapter Card.

The colored edge of the cable indicates pin 1 (Figure 3). The blue cable connector must be attached to IDE 1 on the Ultra ATA/133 PCI Adapter Card.

4. If two drives are connected via the same cable, make sure that one drive is configured as a master drive and connected to the black connector of the UDMA interface cable.

The other drive should be configured as a slave drive and connected to the gray connector of the UDMA interface cable.

**Note:** If you're connecting more than two hard drives to the Ultra ATA/133 PCI Adapter Card, you will need an additional UDMA interface cable.

Please visit your local Maxtor retailer and ask for the Maxtor Hard Drive Mounting Kit.

## 4 Software Installation

This section details software driver installation of the Ultra ATA/133 PCI Adapter Card when used with various operating systems.

Software drivers are program files that enable communication between devices such as the adapter card and an OS.

- **Option A:** Installing Drivers with a New Windows 98/Millennium OS Installation
- **Option B:** Installing Drivers with a Pre-Existing Windows 98/Millennium OS Installation
- **Option C:** Installing Drivers During a Windows NT 4.x/2000/XP Fresh OS Installation
- **Option D:** Installing Drivers with a Pre-Existing Windows NT 4.x/2000/XP OS Installation

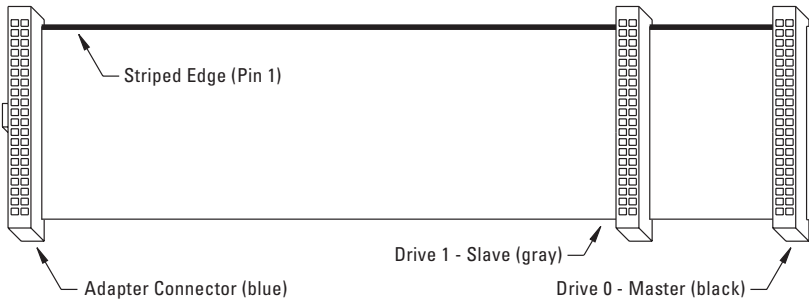
**Helpful Hint:** If, upon booting, your system doesn't recognize the adapter card, change the card to a different PCI slot. Again, Maxtor recommends using one of the first 3 slots nearest to the processor.

### Option A: Installing Drivers with a New Windows 98/Millennium OS Installation

1. After installing the Ultra ATA/133 PCI Adapter Card and configuring the hard drive(s), partition and format your hard drive(s).
2. Install Windows 9x/ME.
3. After installation, go to the "Start" menu and select "Settings."
4. From the "Settings" menu, select "Control Panel."
5. In the "Control Panel" window, double-click on the "System" icon.



Software Installation continued on reverse side



**Figure 3**  
UDMA Interface Cable  
(industry-standard cable length – 18 inches)

## 4 Software Installation (continued)

### Option A: Installing Drivers with a New Windows 98/Millennium OS Installation

6. In the “System” window, select “Device Manager.”
7. In the hierarchical display under “Other Devices” is a listing for “PCI Mass Storage Adapter.” Select it and then press the “Properties” button.



8. Select the “Driver” tab in the “Properties” window, choose “Update Driver” and then press “Next.”



9. Select “Search for a better driver than the one your device is using now (Recommended),” and press “Next.”



10. Insert the “MaxBlast™ Plus II” CD into your CD drive.



11. Select the “Next” button. A message informing you that Windows has found “Maxtor Ultra ATA/133 Adapter” should appear.



12. Press “Next”, then “Finish,” then “Yes” when asked if you want to restart your computer. Be sure to remove the MaxBlast CD from the CD-ROM drive.

### Option B: Installing Drivers with a Pre-Existing Windows 98/Millennium OS Installation

1. After installing the Ultra ATA/133 PCI Adapter Card and configuring the hard drives, power up the system and boot into Windows.
2. The “Add New Hardware Wizard” will appear, informing you that it has found a “PCI Adapter.”

Refer to steps 3 through 9 of Option A for the remaining driver installation instructions.

#### Driver Confirmation

To confirm that the driver was properly loaded, select “Settings” from the “Start” menu. Select “Control Panel,” and then double-click on the “System” icon. Choose the “Device Manager” tab, and then click the “+” in front of “SCSI Adapters.” “Maxtor Ultra ATA/133 Adapter” should appear.

### Option C: Installing Drivers during a Windows NT 4.x/2000/XP Fresh OS Installation

1. Depending on the type of Windows installation media you have, perform one of the following OS installations:
  - a) **Floppy Install:** boot the system with the Windows NT installation disks.
  - b) **Floppy-less Install:** boot from floppy and type “WINNT/B”. After the files have been copied, the system will reboot. On the reboot, press the “F6” key when the message “Setup is inspecting your computer’s hardware configuration” appears.
  - c) **CD-ROM Disk Install:** boot from the CD-ROM disk and press the “F6” key (several times) when the message “Setup is inspecting your computer’s configuration” appears.
2. Press “S” to configure an additional adapter.
3. Insert the MaxBlast Plus II CD into your CD-ROM drive and launch the installer. Then simply follow the screen prompts.

## Product Warranty

Maxtor’s warranty obligations are limited to the terms set forth: Maxtor warrants only to the original consumer purchaser that new Maxtor Ultra ATA/133 PCI Adapter Card products will be free from defects in material and workmanship for 1 year from the date of original purchase.

For a replacement Ultra ATA/133 PCI Adapter Card, the warranty on the replacement card is the remainder of the warranty on the original card or 90 days, whichever is longer. If you discover a defect, Maxtor will replace the Card at no charge to you, provided you return it during the warranty period, with transportation charges prepaid, to Maxtor in Ireland, Singapore or the USA.

Ultra ATA/133 PCI Adapter Cards must be properly packaged in Maxtor packaging or Maxtor approved packaging to obtain warranty service. Before returning a Maxtor Adapter, please contact Maxtor at: +353 1 204 1111 (in Europe) or 1-800-2MAXTOR (in U.S.) to obtain a Return Material Authorization (RMA) number. A copy of the receipt or a bill of sale bearing the appropriate Maxtor serial number and model number may be required for warranty service. The warranty applies only to the Maxtor Ultra ATA/100 PCI Adapter Cards that can be identified by the Maxtor trademark, trade name, serial number or logo affixed to them. Maxtor does not warrant any Card that is not manufactured by, for or with permission from Maxtor.

This warranty is not applicable to: Abnormal wear and tear; Abuse, unreasonable use, mistreatment, or neglect; Damage caused during installation of the Card; Damage caused by the equipment or system with which the Card is used; Damage caused by modification or repair not made or authorized by Maxtor; Cards whose Maxtor Serial Number has been removed or defaced; Damage caused by use of non-Maxtor packaging; Damage caused by improper or improperly used packaging; Damage caused by lack of ESD protection; Cards that are determined to be stolen.

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### Option D: Installing Drivers with a Pre-Existing Windows NT 4.x/2000/XP OS Installation

Hard drives should not be connected to the Ultra ATA/133 Adapter Card before performing the following procedure.

The Ultra ATA/133 Drivers must be loaded on the system hard drive (running under the existing hard drive adapter) *before* any hard drives are connected to the Ultra ATA/133 PCI Adapter Card.

NOTE: Please refer to screen capture pictures listed in Steps 7, 8, 9 and 11 of Option A - as they also apply for the steps outlined here in Option D.

1. Select “Settings” from “Start” menu.
2. Select “Control Panel” from the “Settings” menu.

**Windows 2000 Note:** Go to the system properties, then the hardware tab and select device manager.

3. Double-click on the “SCSI Adapters” icon, which generates the “SCSI Adapters” dialog box.

4. Choose “Drivers,” and select “Add.”
5. In the “Install Drivers” menu, select “Have Disk.”

6. When “Install From Disk” appears, insert the “MaxBlast Plus II” CD into your CD-ROM drive and select “OK.”

7. When the “Install Driver” dialog box appears, select “Maxtor Ultra ATA/133 Adapter” and select “OK.”

8. When the “Select SCSI Adapter Option” box appears, select “Install.”

9. After a successful installation, the SCSI Adapter Setup box will show that the Maxtor Ultra ATA/133 Adapter driver was installed.

10. Power off your system and attach the hard drive(s) to the Ultra ATA/133 PCI Adapter Card.

## 5 Product Registration

#### Take advantage of the benefits!

By registering your new Maxtor product, you’ll have the option to receive product updates, special offers, and valuable information about other data storage solutions from Maxtor.

Simply point your web browser to: **www.maxtor.com** click on the Product Registration link, and complete the short questionnaire.